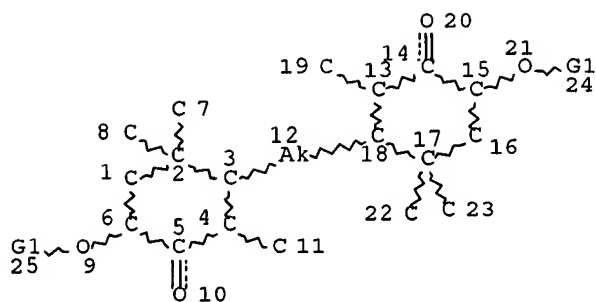


L1

STR



VAR G1=C/H

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

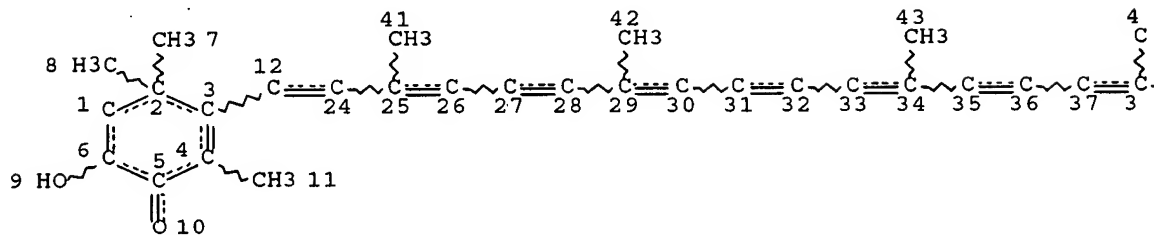
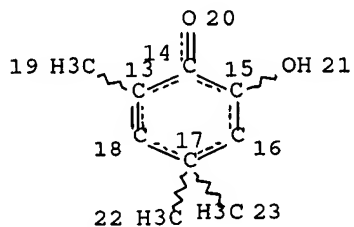
RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 25

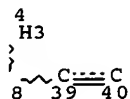
STEREO ATTRIBUTES: NONE

L2 337 SEA FILE=REGISTRY SSS FUL L1

L18 STR



Page 1-A



Page 1-B

NODE ATTRIBUTES:

CONNECT IS X2 RC AT 1

CONNECT IS X2 RC AT 16

DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 44

STEREO ATTRIBUTES: NONE

L19 54 SEA FILE=REGISTRY SUB=L2 SSS FUL L18

(FILE 'REGISTRY' ENTERED AT 14:18:07 ON 31 OCT 2007)

DEL HIS Y
ACT CUT5118B/A

L1 STR
L2 337 SEA SSS FUL L1

E LIPASE/CN 5
L3 2801 SEA ABB=ON PLU=ON LIPASE?/CN

FILE 'CAPLUS' ENTERED AT 14:19:03 ON 31 OCT 2007

L4 2951 SEA ABB=ON PLU=ON L2
L5 31 SEA ABB=ON PLU=ON L4 AND (L3 OR LIPASE OR EXOLIPASE OR
(TRIACYLGLYCEROL OR TRIOLEAN OR TRI(W) (ACYLGLYCEROL OR
ACYL GLYCEROL) OR TRIACYL GLYCEROL) (W) HYDROLASE OR
TRIGLYCERIDASE OR TRI(W) (BUTYRINASE OR GLYCERIDASE) OR
TRIBUTYRINASE)
L6 21 SEA ABB=ON PLU=ON L5 AND PATENT/DT
L7 6 SEA ABB=ON PLU=ON L6 AND (PY<2002 OR PRY<2002 OR
AY<2002)
L8 10 SEA ABB=ON PLU=ON L5 NOT L6
L9 4 SEA ABB=ON PLU=ON L8 AND PY<2002
L10 10 SEA ABB=ON PLU=ON L7 OR L9
SEL HIT L10 1-10 RN
D 1-10 IBIB ABS HITSTR

FILE 'CAOLD' ENTERED AT 14:28:43 ON 31 OCT 2007

L11 65 SEA ABB=ON PLU=ON L2
D 1-65

FILE 'MEDLINE, BIOSIS, EMBASE' ENTERED AT 14:28:59 ON 31 OCT 2007

L12 2368 SEA ABB=ON PLU=ON L2
L13 7 SEA ABB=ON PLU=ON L12 AND (L3 OR LIPASE OR EXOLIPASE OR
(TRIACYLGLYCEROL OR TRIOLEAN OR TRI(W) (ACYLGLYCEROL OR
ACYL GLYCEROL) OR TRIACYL GLYCEROL) (W) HYDROLASE OR
TRIGLYCERIDASE OR TRI(W) (BUTYRINASE OR GLYCERIDASE) OR
TRIBUTYRINASE)
L14 4 DUP REM L13 (3 DUPLICATES REMOVED)
D 1-4 IBIB ABS

FILE 'REGISTRY' ENTERED AT 14:30:01 ON 31 OCT 2007

L16 STR L15
L17 59 SEA SUB=L2 SSS FUL L16
L18 STR L16
L19 54 SEA SUB=L2 SSS FUL L18

FILE 'CAPLUS' ENTERED AT 14:38:40 ON 31 OCT 2007

L20 2824 SEA ABB=ON PLU=ON L19
L21 198 SEA ABB=ON PLU=ON L20 AND (RACT OR RCT)/RL
E TRANSESTERIFICATION+ALL/CT

10/511829

L22 7561 SEA ABB=ON PLU=ON TRANSESTERIFICATION+OLD/CT
L23 1 SEA ABB=ON PLU=ON L21 AND L22
L24 65 SEA ABB=ON PLU=ON L21 AND (TRANSESTER? OR ESTER?)
L25 63 SEA ABB=ON PLU=ON (L23 OR L24) NOT L10
L26 44 SEA ABB=ON PLU=ON L25 AND PATENT/DT
L27 11 SEA ABB=ON PLU=ON L26 AND (PY<2002 OR PRY<2002 OR
AY<2002)
L28 19 SEA ABB=ON PLU=ON L25 NOT L26
L29 10 SEA ABB=ON PLU=ON L28 AND PY<2002
L30 21 SEA ABB=ON PLU=ON L27 OR L29
D QUE STAT L19
SEL HIT L30 1-21 RN
D 1-21 IBIB ABS HITSTR

FILE 'CAOLD' ENTERED AT 14:44:45 ON 31 OCT 2007

L31 43 SEA ABB=ON PLU=ON L19
L32 0 SEA ABB=ON PLU=ON L31 NOT L11

FILE 'MEDLINE, BIOSIS, EMBASE' ENTERED AT 14:45:10 ON 31 OCT 2007

L33 2301 SEA ABB=ON PLU=ON L19
L34 39 SEA ABB=ON PLU=ON L33 AND (TRANSESTER? OR FATTY(3A)
ESTER?)
L35 34 SEA ABB=ON PLU=ON L34 NOT L13
L36 22 DUP REM L35 (12 DUPLICATES REMOVED)
D 1-22 IBIB ABS

FILE 'HOME' ENTERED AT 14:46:24 ON 31 OCT 2007

D QUE L19

10/511829

ENTERED AT 16:54:31 ON 31 OCT 2007)

L50 2378 SEA ABB=ON PLU=ON ("SUMIDA M"? OR "MOTOO S"?)/AU
L51 10585 SEA ABB=ON PLU=ON ("NAKAO M"? OR "MASAHIRO N"?)/AU
L52 38 SEA ABB=ON PLU=ON ("TOMIMORI N"? OR "NAMINO T"?)/AU
L53 859 SEA ABB=ON PLU=ON ("NAMIKAWA K"? OR "KOSHI N"?)/AU
L54 1324 SEA ABB=ON PLU=ON ("FUKAMI H"? OR "HARUKAZU F"?)/AU
L55 2 SEA ABB=ON PLU=ON L50 AND L51 AND L52 AND L53 AND L54
L56 51 SEA ABB=ON PLU=ON L50 AND (L51 OR L52 OR L53 OR L54)
L57 27 SEA ABB=ON PLU=ON L51 AND (L52 OR L53 OR L54)
L58 2 SEA ABB=ON PLU=ON L52 AND (L53 OR L54)
L59 7 SEA ABB=ON PLU=ON L53 AND L54
L60 338 SEA ABB=ON PLU=ON (L56 OR L57 OR L50 OR L51 OR L52 OR
L53 OR L54) AND (TRANSESTER? OR ESTER?)

FILE 'REGISTRY' ENTERED AT 16:57:27 ON 31 OCT 2007

L61 34 SEA ABB=ON PLU=ON ASTAXANTHIN?/CN

FILE 'CAPLUS, MEDLINE, BIOSIS, EMBASE, WPIX, JAPPIO, PASCAL, DISSABS'

ENTERED AT 16:57:32 ON 31 OCT 2007

L62 3 SEA ABB=ON PLU=ON L60 AND (L61 OR ASTAXANTHIN?)
L63 7 SEA ABB=ON PLU=ON L55 OR L58 OR L59 OR L62
L64 4 DUP REM L63 (3 DUPLICATES REMOVED)
D 1-4 IBIB ABS

FILE 'HOME' ENTERED AT 16:58:27 ON 31 OCT 2007

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 29 OCT 2007 HIGHEST RN 951883-76-4

DICTIONARY FILE UPDATES: 29 OCT 2007 HIGHEST RN 951883-76-4

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<http://www.cas.org/support/stngen/stndoc/properties.html>

FILE CAPLUS

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10/511829

FILE COVERS 1907 - 31 Oct 2007 VOL 147 ISS 19
FILE LAST UPDATED: 30 Oct 2007 (20071030/ED)

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FILE MEDLINE

FILE LAST UPDATED: 30 Oct 2007 (20071030/UP). FILE COVERS 1950 TO DA

This file contains CAS Registry Numbers for easy and accurate
substance identification.

FILE BIOSIS

FILE COVERS 1926 TO DATE.

CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNS) PRESENT
FROM JANUARY 1926 TO DATE.

RECORDS LAST ADDED: 24 October 2007 (20071024/ED)

BIOSIS has been augmented with 1.8 million archival records from 1926
through 1968. These records have been re-indexed to match current
BIOSIS indexing.

FILE EMBASE

FILE COVERS 1974 TO 31 Oct 2007 (20071031/ED)

EMBASE is now updated daily. SDI frequency remains weekly (default)
and biweekly.

This file contains CAS Registry Numbers for easy and accurate
substance identification.

FILE WPIX

FILE LAST UPDATED: 26 OCT 2007 <20071026/UP>

MOST RECENT THOMSON SCIENTIFIC UPDATE: 200769 <200769/DW>

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documents, but they can be identified by 20060101/UPIC and
20061231/UPIC, 20070601/UPIC and 20071001/UPIC. <<<

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http://www.stn-international.com/archive/presentations/DWPIAnaVist2_07

FILE JAPIO

FILE LAST UPDATED: 29 OCT 2007 <20071029/UP>

FILE COVERS APRIL 1973 TO JULY 26, 2007

>>> GRAPHIC IMAGES AVAILABLE <<<

FILE PASCAL

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FILE COVERS 1977 TO DATE.

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FILE HOME